Transportation Security: *"Safeguarding the Shipment of America's Most Dangerous Cargoes against Terrorist Attack"*

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Presentation Outline

- Why the increase in threat
- Transportation Vulnerabilities
- Recommendations

Why the Increase in Potential Terrorist Threats to Transportation?

- Years of Security as an overhead cost
- Supports international terrorist operations
- Low risk, high payoff targets
  - Catastrophic casualties
  - Economic destabilization

Osama bin Laden's Targeting Philosophy

"Inflict maximum damage to human, economic and physical infrastructures"

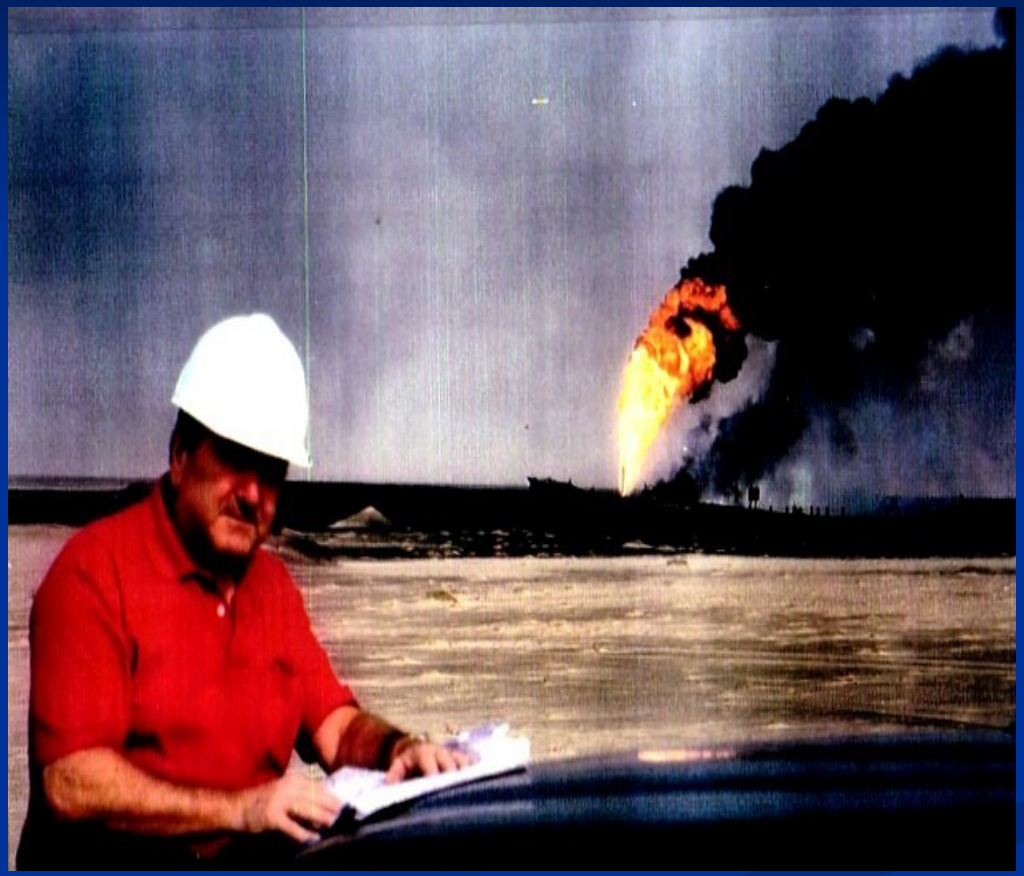
"Attack symbolic, high prestige, economic, and strategic targets"

TRANSPORTATION VULNERABILITIES:

- Shipment of petroleum products
- Liquid Natural Gas (LNG)
- Tanker operations/terminals
- Truck/Rail

Shipment of petroleum products

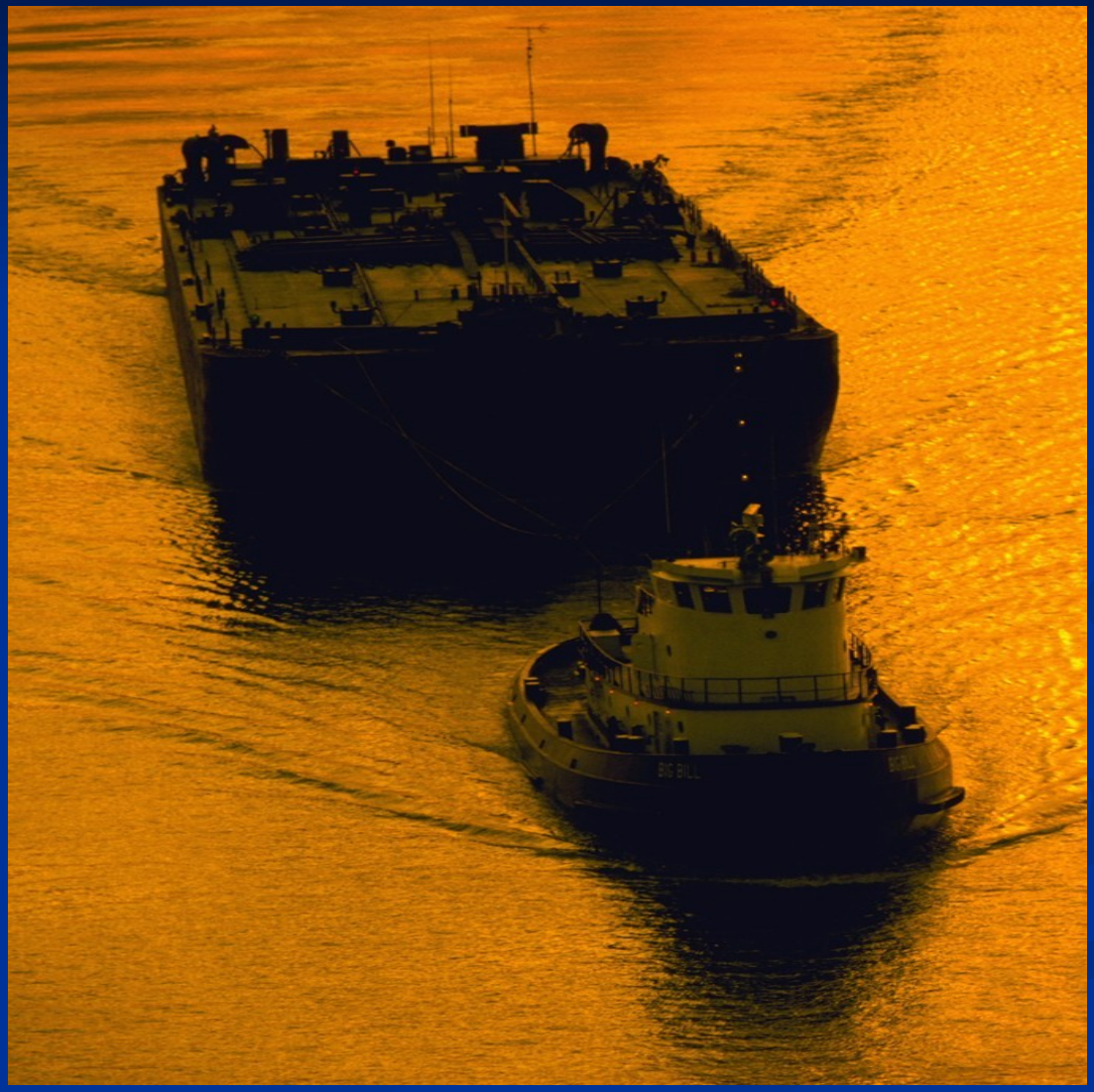
- Seagoing Tankers
- Barges
- Rail
- Truck
- Pipelines



Tanker operations/terminals

Maritime Surveillance

BARGES



Staten Island Fuel Storage Fire

PROTECTING PORTS & HARBORS AGAINST INTRODUCTION OF WMD

In Cargoes:

--Customs

--USCG

--FBI

--Border Patrol

--Port Operators

Responding to the Container Threat:

Changing the way we use technology

Liquid Natural Gas (LNG)

PIPELINES

PIPELINE SECURITY

- SCADA protection
- Over flights—armed, unarmed, unmanned
- Ground patrols
- Pumping station protection
- Design and construction

The US has 3,000 Oil & Gas Rigs

CHEMICAL SHIPMENTS: 15,000 plants in the US

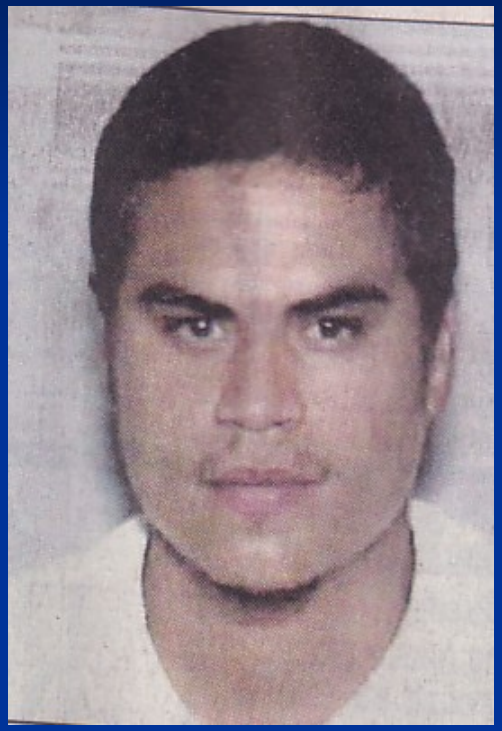
Chemical Industry and Transportation Security

- **Interoperability with:**
  - **Energy**
  - **Agriculture**
  - **Paper**
  - **Mining**
  - **Manufacturing**
  - **Medicine**

TANK CARS ON SIDING

SHIPMENT OF NUCLEAR MATERIALS

DIRTY BOMB Material:
US Born Latino Becomes Islamic Terrorist



- Abdullah al Muhajir a.k.a. Jose Padilla
- Picked up in Chicago returning from Pak
- al Qaeda links
- “From a Latin King to a Knight of the Prophet”

RAIL: 120,000 Miles of Major Railroads

Key Rail Choke Points

Rail/Truck Loading Area

TRUCKING

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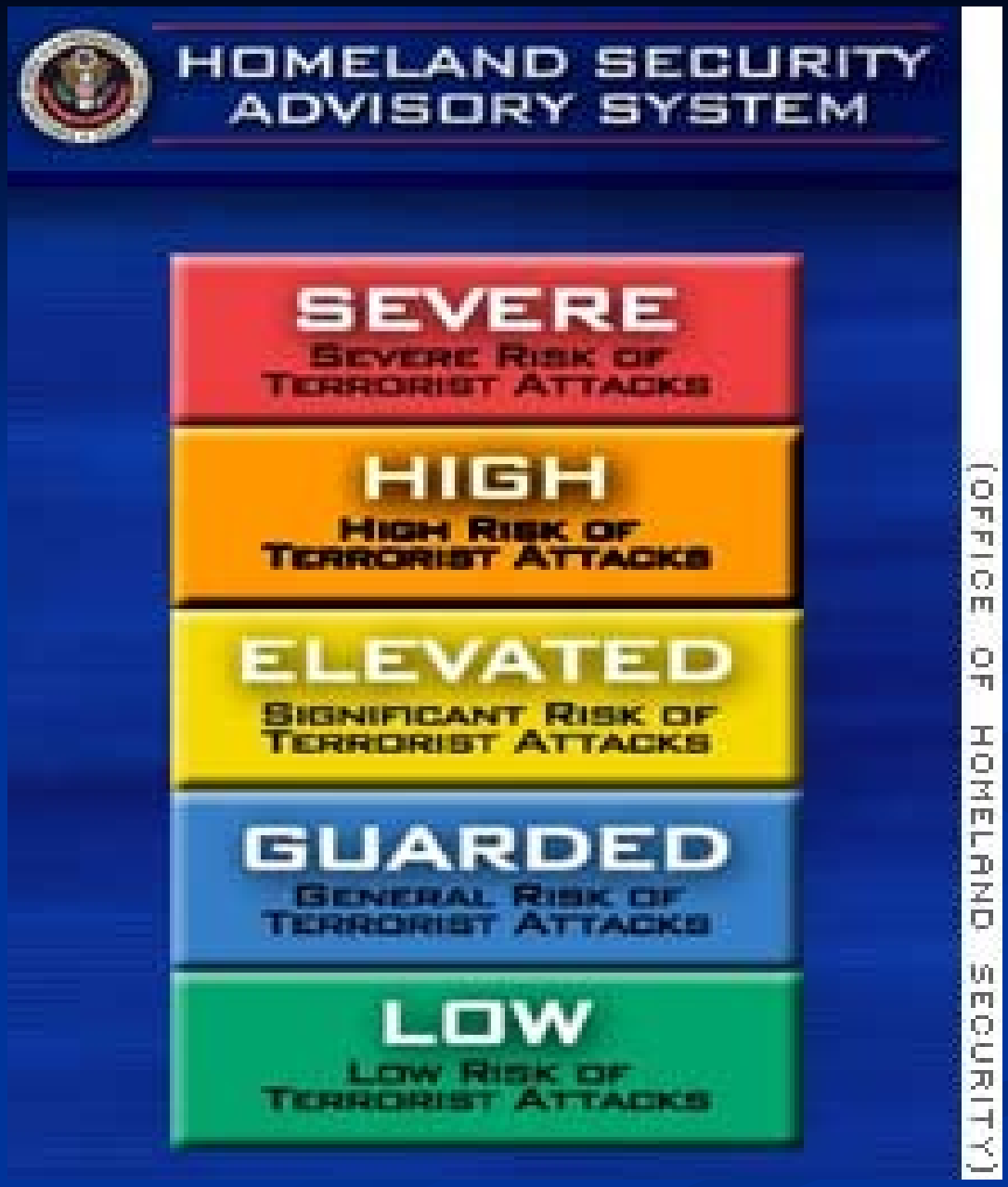
590,000 Highway Bridges in US

HAZMAT SHIPMENTS

Truck Inspection

Recommendations

1. **Increase Awareness and Surveillance**
2. **Develop Security Standards**
3. **Perform Security Vulnerability Assessments**
4. **Improve Information Exchange**
5. **Increase Government-Industry Cooperation**


HOMELAND SECURITY
ADVISORY SYSTEM
SEVERE
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HIGH
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ELEVATED
SIGNIFICANT RISK OF
TERRORIST ATTACKS
GUARDED
GENERAL RISK OF
TERRORIST ATTACKS
LOW
LOW RISK OF
TERRORIST ATTACKS
(OFFICE OF HOMELAND SECURITY)